

REMARKS

Claims 1-15 are pending and stand rejected. Claim 15 is added. Claims 1-6 and 8-13 were rejected. Claims 7 and 14 were objected to but indicated as allowable. Assignee appreciates Examiner's indication of allowable subject matter.

Claims 1 and 4 were rejected under 35 U.S.C. § 101. Assignee has amended claims 1 and 4, and it is respectfully submitted that this rejection is overcome.

Claim 13 was rejected under 35 U.S.C. § 112. Assignee has amended claim 13 and it is respectfully submitted that this rejection is overcome.

Claim 1 was rejected under 35 U.S.C. § 103(a) as being obvious from the combination of Inoue in view of Kadono. Claim 8 was rejected under 35 U.S.C. § 102(b) as being anticipated by Inoue. Claims 1 and 8 recite, among other limitations, "storing a portion of a first frame in a row of memory; and storing a portion of a second frame in the row of memory".

Examiner indicated (in the rejection of claim 8) that Inoue taught "storing a portion (macroblock) of a first frame in a first one or more rows of memory (Figs. 4B and 6), and storing a portion (macroblock) of a second frame in a second one or more rows of memory (Figs. 4B and 6) (col. 9, lines 7-67; col. 10, lines 1-5)". Examiner has indicated that "Regarding claims 1-2 and 4, all of the claimed subject matter have been met by Inoue as discussed above with respect to claims 8-11."

Assignee respectfully submits that even if Inoue teaches "storing a portion (macroblock) of a first frame in a first one or more rows of memory (Figs. 4B and 6), and storing a portion (macroblock) of a second frame in a

second one or more rows of memory (Figs. 4B and 6) (col. 9, lines 7-67; col. 10, lines 1-5)", Inoue does not teach "storing a portion of a first frame in a row of memory; and storing a portion of a second frame in the row of memory".

Accordingly, Assignee respectfully traverses the rejection to claims 1 and 8 and requests that Examiner withdraw the rejections, as well as the rejections to dependent claims 2, 3, 9, and 10.

Claim 4 was rejected under 35 U.S.C. § 103(a) as being obvious from the combination of Inoue in view of Kadono. Claim 11 was rejected under 35 U.S.C. § 102(b) as anticipated by Inoue. Examiner has indicated that "Regarding claims 1-2 and 4, all of the claimed subject matter have been met by Inoue as discussed above with respect to claims 8-11."

Claims 4 and 11 are amended to recite, among other limitations, "storing a top macroblock row of a first frame in a first one or more rows of memory; storing a top macroblock row of a second frame in a second one or more rows of memory; and a particular one of the first one or more rows of memory being adjacent to a particular one of the second one or more rows of memory." Assignee respectfully submits that the combination of Inoue does not teach the foregoing.

In Inoue, "Fig. 6 is a memory map diagram which shows how the memory rows that constitute field A0 shown in Fig. 4B are stored in the memory 212. As shown in Fig. 6, the memory rows of macroblocks are identified by their device number (D0 or D1), their bank within the device (L or U) and their memory row number within the bank (R0 through R67). The next image field would begin at memory row R68." Col. 9, Lines 45-52.

Inoue Figure 6 is copied below, Assignee has highlighted certain portions.

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D0:L:R0	D0:U:R0	D0:L:R1	D0:U:R1	D0:L:R2	D0:U:R2	D0:L:R3	D0:U:R3
D1:L:R0	D1:U:R0	D1:L:R1	D1:U:R1	D1:L:R2	D1:U:R2	D1:L:R3	D1:U:R3
D0:L:R4	D0:U:R4	D0:L:R5	D0:U:R5	D0:L:R6	D0:U:R6	D0:L:R7	D0:U:R7
D1:L:R4	D1:U:R4	D1:L:R5	D1:U:R5	D1:L:R6	D1:U:R6	D1:L:R7	D1:U:R7
D0:L:R8	D0:U:R8	D0:L:R9	D0:U:R9	D0:L:R10	D0:U:R10	D0:L:R11	D0:U:R11
D1:L:R8	D1:U:R8	D1:L:R9	D1:U:R9	D1:L:R10	D1:U:R10	D1:L:R11	D1:U:R11
D0:L:R12	D0:U:R12	D0:L:R13	D0:U:R13	D0:L:R14	D0:U:R14	D0:L:R15	D0:U:R15
D1:L:R12	D1:U:R12	D1:L:R13	D1:U:R13	D1:L:R14	D1:U:R14	D1:L:R15	D1:U:R15
D0:L:R16	D0:U:R16	D0:L:R17	D0:U:R17	D0:L:R18	D0:U:R18	D0:L:R19	D0:U:R19
D1:L:R16	D1:U:R16	D1:L:R17	D1:U:R17	D1:L:R18	D1:U:R18	D1:L:R19	D1:U:R19
D0:L:R20	D0:U:R20	D0:L:R21	D0:U:R21	D0:L:R22	D0:U:R22	D0:L:R23	D0:U:R23
D1:L:R20	D1:U:R20	D1:L:R21	D1:U:R21	D1:L:R22	D1:U:R22	D1:L:R23	D1:U:R23
D0:L:R24	D0:U:R24	D0:L:R25	D0:U:R25	D0:L:R26	D0:U:R26	D0:L:R27	D0:U:R27
D1:L:R24	D1:U:R24	D1:L:R25	D1:U:R25	D1:L:R26	D1:U:R26	D1:L:R27	D1:U:R27
D0:L:R28	D0:U:R28	D0:L:R29	D0:U:R29	D0:L:R30	D0:U:R30	D0:L:R31	D0:U:R31
D1:L:R28	D1:U:R28	D1:L:R29	D1:U:R29	D1:L:R30	D1:U:R30	D1:L:R31	D1:U:R31
D0:L:R32	D0:U:R32	D0:L:R33	D0:U:R33	D0:L:R34	D0:U:R34	D0:L:R35	D0:U:R35
D1:L:R32	D1:U:R32	D1:L:R33	D1:U:R33	D1:L:R34	D1:U:R34	D1:L:R35	D1:U:R35
D0:L:R36	D0:U:R36	D0:L:R37	D0:U:R37	D0:L:R38	D0:U:R38	D0:L:R39	D0:U:R39
D1:L:R36	D1:U:R36	D1:L:R37	D1:U:R37	D1:L:R38	D1:U:R38	D1:L:R39	D1:U:R39
D0:L:R40	D0:U:R40	D0:L:R41	D0:U:R41	D0:L:R42	D0:U:R42	D0:L:R43	D0:U:R43
D1:L:R40	D1:U:R40	D1:L:R41	D1:U:R41	D1:L:R42	D1:U:R42	D1:L:R43	D1:U:R43
D0:L:R44	D0:U:R44	D0:L:R45	D0:U:R45	D0:L:R46	D0:U:R46	D0:L:R47	D0:U:R47
D1:L:R44	D1:U:R44	D1:L:R45	D1:U:R45	D1:L:R46	D1:U:R46	D1:L:R47	D1:U:R47
D0:L:R48	D0:U:R48	D0:L:R49	D0:U:R49	D0:L:R50	D0:U:R50	D0:L:R51	D0:U:R51
D1:L:R48	D1:U:R48	D1:L:R49	D1:U:R49	D1:L:R50	D1:U:R50	D1:L:R51	D1:U:R51
D0:L:R52	D0:U:R52	D0:L:R53	D0:U:R53	D0:L:R54	D0:U:R54	D0:L:R55	D0:U:R55
D1:L:R52	D1:U:R52	D1:L:R53	D1:U:R53	D1:L:R54	D1:U:R54	D1:L:R55	D1:U:R55
D0:L:R56	D0:U:R56	D0:L:R57	D0:U:R57	D0:L:R58	D0:U:R58	D0:L:R59	D0:U:R59
D1:L:R56	D1:U:R56	D1:L:R57	D1:U:R57	D1:L:R58	D1:U:R58	D1:L:R59	D1:U:R59
D0:L:R60	D0:U:R60	D0:L:R61	D0:U:R61	D0:L:R62	D0:U:R62	D0:L:R63	D0:U:R63
D1:L:R60	D1:U:R60	D1:L:R61	D1:U:R61	D1:L:R62	D1:U:R62	D1:L:R63	D1:U:R63
D0:L:R64	D0:U:R64	D0:L:R65	D0:U:R65	D0:L:R66	D0:U:R66	D0:L:R67	D0:U:R67
D1:L:R64	D1:U:R64	D1:L:R65	D1:U:R65	D1:L:R66	D1:U:R66	D1:L:R67	D1:U:R67

FIG. 6

Assignee calls Examiner's attention to the part of the figure surrounded by the rectangular box. Note that it includes rows, R0, R1, R2 and R3. It is respectfully submitted that rows R0, R1, R2, and R3 would not be adjacent to any rows of the next image field, if the "next image field would begin at memory row R68".

Assignee respectfully submits that claims 4 and 11, as now amended are allowable.

Additionally, Examiner indicated claims 7 and 14 recite novel features "storing a second macroblock row of the first frame in a fourth one or more rows of memory; the third one or more rows of memory beign continuous; and wherein a particular one of the fourth one or more rows is adjacent to another particular one of the third one or more rows of memory."

Assignee has added claim 15 which also recites these novel features. It is respectfully submitted that claim 15 is allowable.

CONCLUSION

For at least the foregoing reasons, each of the pending claims are allowable, thereby placing the application in a condition for allowance. Examiner is requested to pass this case to issuance.

The Commissioner is hereby authorized to charge any deficiency in the amount enclosed or any additional fees which may be required under 37 CFR 1.16 or 1.17 to Deposit Account No. 13-0017 in the name of McAndrews, Held & Malloy, Ltd.

RESPECTFULLY SUBMITTED,



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